



DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare:

That my residence, post office address and citizenship are as stated below next to my name.

That I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PHOTONIC CRYSTAL SINGLE TRANSVERSE MODE DEFECT STRUCTURE FOR
VERTICAL CAVITY SURFACE EMITTING LASER**

the specification of which (check one)

☐ is attached hereto.
☒ was filed on July 11, 2003 as
Application Serial No. 10/618,034
and was amended on _____
(if applicable)

That I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

That I acknowledge the duty to disclose information known to be material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

That I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

That I hereby claim the benefit under Title 35, United States Code, §119 and/or §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

United States Application(s)

<u>60/395,487</u> (Application Serial No.)	<u>July 12, 2002</u> (Filing Date)	<u>Pending</u> (Status)-(Patented, pending, abandoned)
<u>60/472,075</u> (Application Serial No.)	<u>May 20, 2003</u> (Filing Date)	<u>Pending</u> (Status)-(Patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status)-(Patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)-(Patented, pending, abandoned)

That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

I hereby appoint the following attorneys and agents listed under Customer No. 24978, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and request that all correspondence and telephone calls in respect to this application be directed to Patrick G. Burns, GREER, BURNS & CRAIN, LTD., Suite 2500, 300 South Wacker Drive, Chicago, Illinois 60606, Telephone No. (312) 360-0080.

[PLACE BAR CODE LABEL HERE]

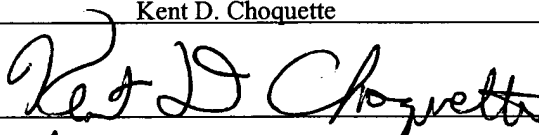
Address for Correspondence:

Steven P. Fallon, Esq.
GREER, BURNS & CRAIN, LTD.
300 S. Wacker Drive -- Suite 2500
Chicago, Illinois 60606
Tel.: (312) 360-0080
Fax: (312) 360-9315
Customer No.: 24978

Full name of sole or one
joint inventor:

Kent D. Choquette

Inventor's signature:


August 21, 2003

Date:

Residence and Post Office Address:

407 Beringer Circle

Urbana, IL 61802

Citizenship:

U.S.

Full name of additional
joint inventor, if any:

Noriyuki Yokouchi

Inventor's signature:

Date:

Residence and Post Office Address:

604 W. Stoghton Street

Urbana, IL 61801

Citizenship:

Japan

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare:

That my residence, post office address and citizenship are as stated below next to my name.

That I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PHOTONIC CRYSTAL SINGLE TRANSVERSE MODE DEFECT STRUCTURE FOR
VERTICAL CAVITY SURFACE EMITTING LASER**

the specification of which (check one)

☐ is attached hereto.
☒ was filed on July 11, 2003 as
Application Serial No. _____
and was amended on _____
(if applicable)

That I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

That I acknowledge the duty to disclose information known to be material to patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

That I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

That I hereby claim the benefit under Title 35, United States Code, §119 and/or §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

United States Application(s)

<u>60/395,487</u> (Application Serial No.)	<u>July 12, 2002</u> (Filing Date)	<u>Pending</u> (Status)-(Patented, pending, abandoned)
<u>60/472,075</u> (Application Serial No.)	<u>May 20, 2003</u> (Filing Date)	<u>Pending</u> (Status)-(Patented, pending, abandoned)
_____	_____	_____

Application Serial No.)

(Filing Date)

(Status)-(Patented, pending, abandoned)

That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

I hereby appoint the following attorneys and agents listed under Customer No. 24978, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and request that all correspondence and telephone calls in respect to this application be directed to Patrick J. Burns, GREER, BURNS & CRAIN, LTD., Suite 2500, 300 South Wacker Drive, Chicago, Illinois 60606, Telephone No. (312) 360-0080.

[PLACE BAR CODE LABEL HERE]

Address for Correspondence:

Steven P. Fallon, Esq.
GREER, BURNS & CRAIN, LTD.
300 S. Wacker Drive - Suite 2500
Chicago, Illinois 60606
Tel.: (312) 360-0080
Fax: (312) 360-9315
Customer No.: 24978

Full name of sole or one
inventor:

Kent D. Choquette

Inventor's signature:

Date:

Residence and Post Office Address:

407 Beringer Circle

Urbana, IL 61802

Citizenship:

U.S.

Full name of additional
inventor, if any:

Noriyuki Yokouchi

Inventor's signature:

Date:

August 25, 2003

Residence and Post Office Address:

604 W. Stoughton Street N.Y.

Urbana, IL 61801 N.Y.

8-14-23 Konandai, Konan-ku

Yokohama, 234-0054

Japan

Citizenship:

Japan

Witness
Aug. 25, 2003

Witness